

NEWS LETTER

VOLUME 01 | ISSUE 02 | July - Dec 2024

Department of Electronics & Communication Engineering



Our Center



Academic Collaborations





Dr. L. M. I. Leo Joseph

Professor & Dean- School of Engineering

Dean's Message

Dear Students, Faculty, and Alumni,

School of Engineering is pleased with pride and excitement for the journey ahead. Our School of Engineering continues to Excel in its academic and research performance, thanks to the dedication and hard work of our exceptional community.

This semester, we are launching several new initiatives aimed at enhancing our academic programs and research capabilities. Our faculty members are pioneering innovative research projects that address some of the trending challenges around the world, from sustainable energy solutions to advancements in artificial intelligence.

The School of Engineering is equipped with excellent infrastructure and a dedicated lab, which will provide our students with unparalleled opportunities for hands-on learning and experimentation. This highlights our commitment in providing a world-class education and an environment with creativity and innovation.

To our students, I encourage everyone to take full advantage of the resources like campus-wide licenses, WIFI, and other opportunities available on the campus. It will be beneficial to engage with professors, collaborate with peers, and to push the boundaries of your knowledge and skills to a better extent. Their passion and curiosity are the driving forces behind our school's success. I thank all faculty and staff, for their unwavering dedication and support. Their expertise and mentorship are invaluable to our students and the broader engineering community.

Finally, the achievements and contributions of our alumni continue to inspire us. We are proud of the impact that our alumni are making in the world and grateful for their ongoing support and engagement with our school.

Together, we are shaping the future of engineering. Let's continue to strive for excellence and make this semester our best yet.

Warm regards,

Dr.L.M.I.Leo Joseph

Professor & Dean- School of Engineering



Dr. Sandip Bhattacharya

Professor & Head of the Department

HOD'S Message

Greetings from the Department of Electronics and Communication Engineering at SR University!

As we embark on yet another academic milestone, it brings me immense pride to reflect on the achievements of our vibrant ECE community. Our department remains committed to nurturing innovation, fostering research, and equipping students with the skills and knowledge necessary to excel in the ever-evolving field of electronics and communication.

This academic session has witnessed remarkable accomplishments, including breakthrough research contributions, participation in national and international technical events, and the development of cutting-edge projects by our students and faculty. The department's collaborations with leading industries and research organizations continue to strengthen, providing our students with unique exposure to real-world applications and challenges.

Our focus is not just on academic excellence but also on empowering our students with a holistic education that prepares them to be future-ready engineers, innovators, and responsible global citizens. Through initiatives like hands-on training, industry internships, and the integration of emerging technologies such as IoT, AI, Microelectronics & Semiconductor technology and 5G into the curriculum, we are ensuring that our graduates remain ahead of the curve.

I extend my heartfelt gratitude to our faculty members, students, alumni, and industry partners for their unwavering support and contributions toward the department's growth. Together, we shall continue to achieve new heights and create a legacy of excellence.

Wishing you all success and a bright future ahead.

Warm regards,

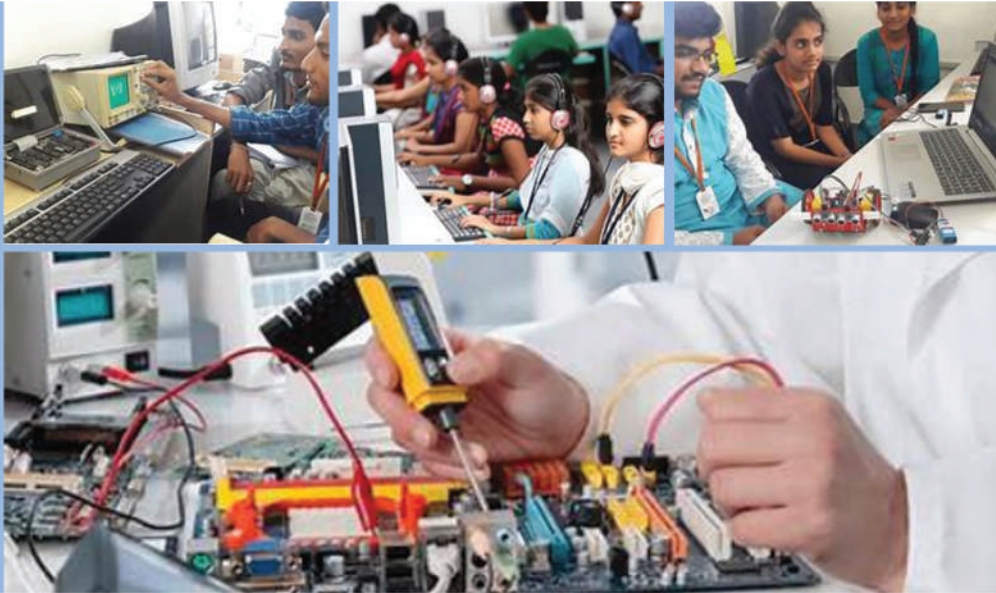
Dr. Sandip Bhattacharya

Professor & Head of the Department

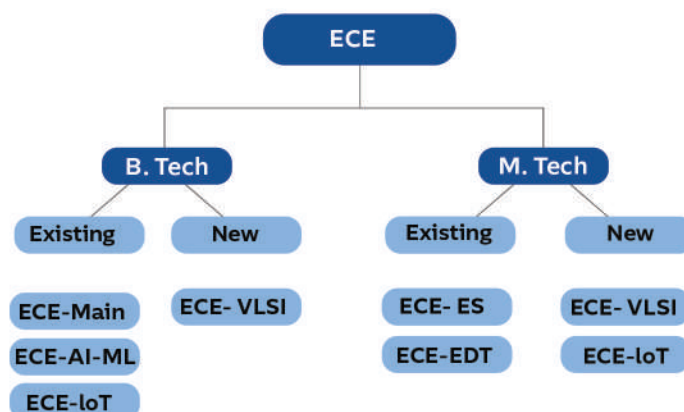
Department of Electronics & Communication, SR University, Warangal

About Department

Electronics & Communication Engineering SR University



Since its inception in 2002, the Department of Electronics and Communication Engineering (ECE) has been a cornerstone of SR University, initially admitting 720 B.Tech students. Over the years, it has witnessed remarkable growth and is now recognized as a leading academic and research hub within the university, with an annual intake exceeding 1,500 students, including M.Tech and Ph.D. scholars. Renowned for its excellence in teaching, research, global collaborations, and student exchange programs, the ECE Department has established an international reputation. With state-of-the-art laboratory facilities and a distinguished faculty, the department offers a diverse range of academic programs, including undergraduate (B.Tech) and postgraduate (M.Tech) degrees in Artificial Intelligence, VLSI System Design, and the Internet of Things (IoT), along with research-driven Ph.D. programs. The department actively engages in cutting-edge research and has undertaken several prestigious sponsored projects. Notable among them are an ISRO-funded initiative, the Special Manpower Development in VLSI program under the C2S scheme sponsored by MIT-Govt. of India, and the Prime Minister's Early Career Research Grant. These initiatives reflect the department's commitment to innovation and technological advancement, reinforcing its position as a leader in electronics and communication engineering education and research.



Department Staff

S.NO	Pfo. Names	Designations	Research Area
1	Dr. Sandip Bhattacharya	Professor & Head	VLSI design, interconnect modeling using next-generation nanomaterials, 3D IC and Memory Devices,
2	Dr. Arun Sekar R	Associate Professor & (Assoc. Head)	Information security, Fog computing, Blockchain, Low power VLSI design
3	Dr. L. M. I. Leo Joseph	Professor	Artificial Intelligence, IoT, Computational Intelligence
4	Dr. J. Ajayan	Professor	Compound semiconductor Devices modelling and simulation, AlGaIn/GaN High Electron Mobility Transistors, FET Biosensor Design, InP HEMTs, Digital IC Design
5	Dr. K. Sreedhar Reddy	Professor	Deep learning with data augmentation, Hybrid deep learning, Image Denoising, Segmentation and Classification
6	Dr. Ravichander Janapati	Professor	Brain Computer Interfacing / Biomedical signal processing
7	Dr. Ch. Rajendra Prasad	Professor	Internet of Things, Tiny ML, Deep Learning, Meta Learning
8	Dr. Kodela Raj Kumar	Associate Professor	IBiomedical Image Processing
9	Dr. Mukesh Kumar Sharma	Associate Professor	Interdisciplinary research including tunable light-matter interactions, Active nanophotonics, Liquid
10	Dr. Shaik Vaseem Akram	Associate Professor	Internet of Things, Waste Management, Blockchain, LoRa
11	Dr. Sumit Gupta	Associate Professor	Wireless optics communication in underwater and frees pace for different advanced communication tech
12	Dr. Syed Nageena Parveen	Associate Professor	Wireless Communications, Satellite Communications, GNSS SYSTEMS

S.NO	Pfo. Names	Designations	Research Area
13	Dr. V. Malathy	Associate Professor	Medical Imaging
14	Dr. Allam Akshaykranth	Assistant professor	Nanomaterials, Device simulations, Biodegradable packaging materials
15	Dr. B.Girirajan	Assistant Professor	IoT, Soft Computing and Instrumentation
16	Dr. CHAKRADHAR ADUPA	Assistant Professor	VLSI
17	Dr. Kallepelli Sagar	Assistant Professor	Circular gate MOSFETs, Novel Semiconductor Devices Modeling and Simulation, Multi gate MOSFETs, Non-
18	Dr. Maheshuni Sankush Krishna	Assistant Professor	2D materials for nanoelectronic devices
19	Dr. N.Ramkumar	Assistant Professor	III-Nitride & Ultra wide bandgap semiconductors
20	Dr. Partha Pratim Shome	Assistant Professor	Ultra-wideband Antenna, Microwave Bandpass Filter Circuits, Compact Filtennas, Reconfigurable Microw
21	Lt. Rajeshwarrao Arabelli	Assistant Professor	Embedded Systems
22	Dr. Raushan Kumar	Assistant Professor	Solar cell (CIGS, CZTS, Silicon and Perovskite), lithium-ion (Li-ion) battery, Semiconductor device
23	Dr. Rebelli Shashank	Assistant Professor	Analog IC Design, On-Chip interconnect modeling, On-Chip Inductors
24	Dr. Srinivas Samala	Assistant Professor	Wireless Communications, Satellite Communications, GNSS SYSTEMS
25	Dr. Thaherbasha Shaik	Assistant Professor	Wireless communication and signal processing

Student Achievements

STUDENT ACHIEVEMENT - 1

Sakura Science Exchange Program 2024

Our department students, **Aditi Thakur, Mohammad Badhesha, and Shivaprasad Shilagani, along with Dr. Sandip Bhattacharya (HoD-ECE),**

successfully participated in the prestigious

Sakura Science Exchange Program 2024 at Hiroshima University, Japan, from September 1st to 7th. Fully sponsored by the Japan

Science and Technology Agency (JST), the program provided hands-on experience in **nanotechnology and astronomical instrumentation,** fostering collaboration with **Micron Technology and Hiroshima University researchers.**

They engaged in advanced telescope research, explored semiconductor manufacturing at **Micron Memory Hiroshima Plant & RISE Institute,** and exchanged ideas with international scholars.

A visit to the **Hiroshima Peace Memorial Park & Museum** deepened their global perspective.

This achievement underscores their dedication and reflects

SR University's commitment to research and international collaboration.

We extend our sincere congratulations to our students and gratitude to

JST and Hiroshima University for this invaluable opportunity.



Md. Badesha
(B.Tech, 3rd Year)



Mr. S. Shivaprasad
(B.Tech, 2nd Year)



Ms. Aditi Thakur
(M.Tech, 2nd Year)



STUDENT ACHIEVEMENT - 2

Gold Medal Achievement at All India Thal Sainik Camp 2024

CDT **Ayedapu Dhanush** of SR University won the Gold Medal in Map Reading at the **All India Thal Sainik Camp 2024 (AITSC)** held in New Delhi.

This remarkable achievement highlights his exceptional skills and dedication, bringing pride to **SR University on the national stage.**

His success reflects the university's commitment to excellence in both academics and extracurricular activities.

Congratulations to CDT **Ayedapu Dhanush** for this outstanding accomplishment!



STUDENT ACHIEVEMENT - 3

Certificate of Participation Smart India Hackathon 2024

We proudly acknowledge our department students **Muskula Varsha (ME), M. Prajyoth Reddy (Team Lead), Himanshu Mudigonda, Abhilash Devalapalli, Srikar Polu,** and Ashutosh Addaguduru for their active involvement in the **Smart India Hackathon 2024**, hosted by **Galgotias University**. Their participation showcases outstanding dedication, innovation, and enthusiasm in tackling real-world challenges.

This achievement highlights **SR University's** commitment to fostering a culture of creativity and problem-solving. Congratulations to our students for this remarkable accomplishment!



STUDENT ACHIEVEMENT - 4

Representing SR University at the ISSCA 6th Alumni Meeting

We are honored that our department students participated in the **6th ISSCA Alumni Meeting** held at **Pride Plaza, Delhi Aerocity, on January 18, 2025**. As active members of the **India Sakura Science Club Alumni Association (ISSCA)**, they represented **SR University** at this prestigious event, co-hosted by the **Japan Science and Technology Agency (JST)**.



STUDENT ACHIEVEMENT - 5

Achievement in India Semiconductor Workforce Development Program (ISWDP) 2024

We are thrilled to announce that **Badri Keerthi & Aluvoju vivek**, a student from our department, successfully completed the **Advanced Level Hands-on Training in the India Semiconductor Workforce Development Program (ISWDP) 2024**. This prestigious training was conducted in collaboration with **Samsung Semiconductor India Research (SSIR), Synopsys, and IISc Bangalore**. Additionally, **Badri Keerthi** was awarded the **Samsung Fellowship under Grade III**, recognizing exceptional performance in the ISWDP. This achievement is a testament to our students' hard work, technical expertise, and passion for the semiconductor industry.



STUDENT ACHIEVEMENT - 6

Internship at Vikram Sarabhai Space Centre (VSSC), ISRO

Congratulations to **Mr. Gandrathi Mahesh**, a **5th Semester B.Tech ECE student**, for successfully completing an internship at **Vikram Sarabhai Space Centre (VSSC), ISRO**. His work on **"RF Systems used in Launch Vehicles"** under the guidance of **Dr. Jayaram Reddy, M.K., Sci/Engr., SD, RFSD/RFSG/AVN** showcases his dedication to space technology. The internship, held from **January 2nd to January 22nd, 2025, at Thiruvananthapuram**, adds great value to our university's research excellence. We applaud his achievement! Additionally, congratulations to **Ms. Yenimireddy Sandhya**, a **3rd Semester M.Tech VLSI Design student**, for successfully completing her internship at **Vikram Sarabhai Space Centre (VSSC), ISRO**. She worked at **Avionics Entity (AVN) under the guidance of Shri. Padmakumar K., Sci/Engr. G, VLD/FCG/AVN**, from December 4th to December 30th, 2024. Her dedication and technical expertise in VLSI Design make us proud. We commend her for this outstanding achievement!



भारत सरकार अन्तरिक्ष विभाग विक्रम साराभाई अन्तरिक्ष केन्द्र थिरुवनन्तपुरम - 695 022, भारत दूरभाष : 0471-2564042/2564992 फैक्स : 0471-2564992		Government of India Department of Space Vikram Sarabhai Space Centre Thiruvananthapuram - 695 022, India Telephone : 0471-2564042/2564992 Fax : 0471-2564992
मानव संसाधन विकास प्रभाग HUMAN RESOURCE DEVELOPMENT DIVISION		
No. 09/INT/S2/P/2024		
CERTIFICATE OF INTERNSHIP		
This is to certify that Ms. Yenimireddy Sandhya , 3 rd Semester, M. Tech VLSI Design student of SR University, Ananthasagar has successfully completed internship during the period from 04th December 2024 to 30th December 2024 at Avionics Entity (AVN) of VSSC under the guidance of Shri. Padmakumar K. Sci/Engr. G. VLD/FCG/AVN .		
 डॉ. श्रीलता पी/Dr. Sreelatha P प्रधान, एचआरडीडी/Head, HRDD		
Place: Thiruvananthapuram Date: 01-01-2025		

भारत सरकार अन्तरिक्ष विभाग विक्रम साराभाई अन्तरिक्ष केन्द्र थिरुवनन्तपुरम - 695 022, भारत दूरभाष : 0471-2564042/2564992 फैक्स : 0471-2564992		Government of India Department of Space Vikram Sarabhai Space Centre Thiruvananthapuram - 695 022, India Telephone : 0471-2564042/2564992 Fax : 0471-2564992
मानव संसाधन विकास प्रभाग HUMAN RESOURCE DEVELOPMENT DIVISION		
No. 52/INT/S2/P/2024		
CERTIFICATE OF INTERNSHIP		
This is to certify that Mr. Gandrathi Mahesh , 5 th Semester, B. Tech. Electronics & Communication Engineering student of SR University, Ananthasagar has successfully carried out internship on "RF Systems used in Launch Vehicles" at Avionics Entity (AVN) of VSSC under the guidance of Dr. Jayaram Reddy, M. K., Sci/Engr., SD, RFSD/RFSG/AVN from 02nd January 2025 to 22nd January 2025 .		
 डॉ. श्रीलता पी/Dr. Sreelatha P प्रधान, एचआरडीडी/Head, HRDD		
Place: Thiruvananthapuram Date: 23-01-2025		

STUDENT ACHIEVEMENT 7



GATE 2024 Qualifiers

We extend our heartfelt congratulations to **Gunda Manisha (ECE III Year)** and **V Srikanth Reddy (ECE IV Year)** for qualifying in the GATE 2024 Examination conducted by IISc Bengaluru. Their remarkable achievement reflects their hard work, perseverance, and excellence in technical education. SR University takes pride in their success and wishes them the best for their future endeavors!

STUDENT ACHIEVEMENT 8

Students Shine at Eureka! 2024



We are proud to announce that students (**Janamanchi Rathna Koushal, Ponnaboina Charan Sai, Kaparaboina Bhavani Prasad, Apana Vishnupriya**) (ECE), SR University, secured a position among the Top 600 out of 25,000 participants in the **Zonal Round of Eureka! 2024**, organized by IIT Bombay's E-Cell.

Their outstanding performance reflects their entrepreneurial mindset, innovation, and dedication. Congratulations to our talented students on this remarkable achievement!



STUDENT ACHIEVEMENT 9

ECE Students Shine in SRU SIH-2024 Internal Hackathon

We proudly recognize our Department of Electronics and Communication Engineering (ECE) students for their exceptional creativity, problem-solving skills, and teamwork in the SR University SIH-2024 Internal Hackathon, held on August 30-31, 2024. Their innovative ideas significantly contributed to the event's success, showcasing their passion for technology and innovation.



STUDENT ACHIEVEMENT 10

ECE Student Appointed as General Secretary of Student Council

We are proud to announce that **Shivaprasad Shilagani** from the Department of ECE has been appointed as the General Secretary of the Student Council at SR University. His leadership and dedication to student welfare have earned him this esteemed role.



STUDENT ACHIEVEMENT 11

Completes AI Certification by IUCEE

"Artificial Intelligence for All" certification program conducted by IUCEE Foundation. The program, held from **May to July 2024**, included 8 webinars with assignments and was led by **Dr. Rao Vemuri**, a retired faculty member from the **University of California, Davis, USA**.



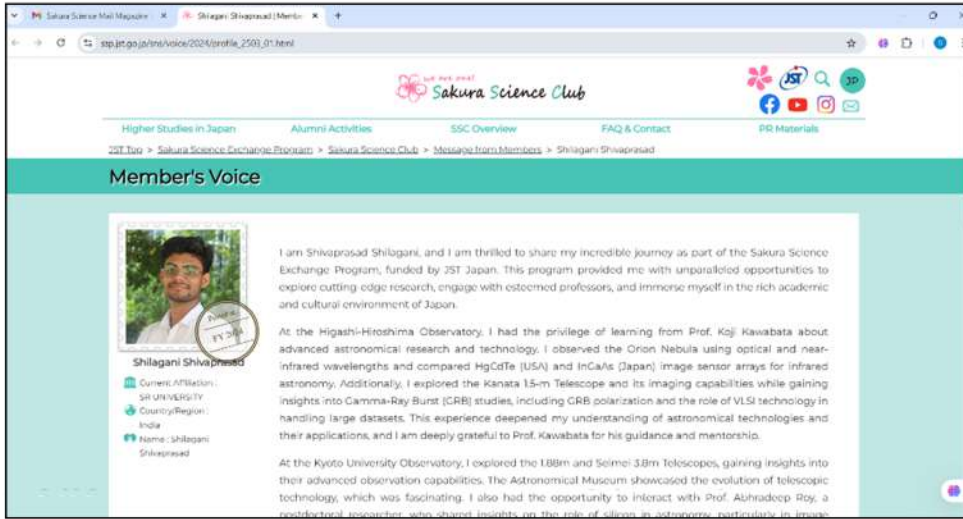
STUDENT ACHIEVEMENT 12



Celebrating Academic Excellence

The ECE Department at SR University proudly celebrates the exceptional achievements of our top-performing students across all years. Their dedication and hard work have set a benchmark for academic excellence

STUDENT ACHIEVEMENT 13



Our department student share the message which has been featured on the **official Sakura Science Exchange Program website!** Being recognized on such a prestigious platform is truly inspiring and reinforces my passion for learning and global collaboration.

STUDENT ACHIEVEMENT 14

IEEE 5NANO 2024 Conference, organized by **VISAT Engineering College, Ernakulam, Kerala**, on April 25th-26th, 2024, **Mr. M.D. Badhesha** from the ECE Department presented an insightful research paper titled: **"Reliability Investigation of High-Performance Nanoscale Dual Edge Triggered (DET) TSPC D-Flip Flops for Future Low Power Electronics."**



Placement and Internship

A banner celebrating student placements. It features the text "Chase your Dreams with SRU" and "Congratulations". A large red box displays "13.52 LPA". Below this, it says "PLACED AT Flipkart". Three student portraits are shown with their names and details: GURRAM SAISADA (B.Tech ECE IV Year, 2021-25 Batch), GUNDA MANISHA (B.Tech ECE IV Year, 2021-25 Batch), and KOLLA VINUTHNA (B.Tech ECE IV Year, 2021-25 Batch). The Flipkart logo is also present.

Students Secure 13.52 LPA Placement at Flipkart

SR University continues to achieve remarkable milestones in placements, ensuring a bright future for its students.

We are delighted to share that our B.Tech ECE IV Year (2021-25) students have secured placements at **Flipkart**, with an impressive package of **₹13.52 LPA**.



294 SR University Students Placed at Accenture

We are proud to announce that 294 students from the 2025 graduating batch have secured placements at Accenture, with salary packages ranging from ₹4.5 LPA to ₹6.5 LPA. This remarkable achievement reflects SR University's commitment to academic excellence, industry-aligned training, and strong corporate collaborations.

36 Students from Our Department Placed at Cognizant

We are delighted to share that **36 students** from our department have secured placements at Cognizant, with a competitive package of **₹4 LPA**. This achievement reflects their hard work and the department's commitment to academic and professional excellence.



58 Students from Our Department Placed at Infosys

We are proud to announce that 58 students from our department have secured placements at Infosys, with a package of **₹3.6 LPA**. This remarkable achievement highlights the dedication of our students and the strong academic foundation provided by our department.

Students Placed at Bharat Electronics Limited (BEL)

We are delighted to share that a group of talented students from our department have secured placements at **Bharat Electronics Limited (BEL)** with a package of **₹3.6 LPA**.





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STUDENT ACHIEVEMENT 15



Samsung ISWDP Fellowship – Prestigious Selection

We are proud to announce that our **B.Tech ECE students** have been selected for the esteemed **ISWDP-Samsung Fellowship 2025**.

This prestigious recognition highlights their innovation, technical expertise, and dedication to excellence. Congratulations to the selected students on this remarkable achievement!

Placements up to January 29th, 2025

S.No	Company Name	No of Students placed	Package
1	Flipkart Neev	3	13.5 LPA
2	Accenture advance ase	2	6.5 LPA
3	Accenture	45	4.5 LPA
4	Cadsys	4	4.0 LPA
5	Infosys	6	3.6 LPA
6	GenC	3	4.0 LPA
7	K12 Technology Services	1	4.5 LPA
8	Miraki Technologies	3	4.0 LPA
9	Dhoot Transmission	8	2.3 LPA
Total No. Students Placed		74	

SRU 2nd Convocation



Congratulations to G V Naga Satwik!
We are happy to announce that Naga Satwik from the Department of ECE (IoT) has been honored with a Gold Medal at our 2nd Convocation for his exceptional academic achievements.

Congratulations to Nikhitha Sabbani!
We are happy to announce that Nikhitha Sabbani from the Department of ECE (AIML) has been honored with a Gold Medal at our 2nd Convocation for her exceptional academic achievements.



Congratulations to Akhil Bhupathi!
We are happy to announce that Akhil Bhupathi from the Department of ECE has been honored with a Gold Medal at our 2nd Convocation for his exceptional academic achievements.



Congratulations to Srividya Kodakandla!
We are happy to announce that Srividya Kodakandla from the Department of ECE has been honored with a Silver Medal at our 2nd Convocation for her exceptional academic achievements.

Faculty Achievements

We are pleased to announce the promotion of the following faculty members to **Professors & Associate Professors** in the Department of Electronics & Communication Engineering



Professors

Dr. J. Ravi Chander
Dr. L. M. I. Leo Joseph
Dr. Ch. Rajendra Prasad
Dr. K. Sreedhar



Associate Professors

Dr. Shaik Vaseem Akram
Dr. Sumit Gupta
Dr. V. Malathy
Dr. Syed Nageena Parveen

Their dedication and expertise continue to elevate SR University.

Heartfelt congratulations to **Dr. S.D. Nageena Parveen**, Associate Professor, and **Dr. S.K. Thaher Basha**, Assistant Professor, Department of ECE, for securing a funded project under the **NavIC-GAGAN Data Utilization Program** by ISRO, Ahmedabad.



Dr. S.D. Nageena Parveen
Associate Professor
Department of ECE



Dr. S.K. Thaher Basha
Assistant Professor
Department of ECE

On Securing Funded Project under NavIC-GAGAN Data Utilization Program

Space Applications Centre - ISRO, Ahmedabad

Congratulations



**Stanford/Elsevier
Top 2%
Scientists of
the World List
for 2024**



Dr. J. AJAYAN
Professor, ECE Department,
School of Engineering

Dr. J. Ajayan, Professor, has been recognized in the **Stanford/Elsevier Top 2% Scientists of the World List for 2024**. A well-deserved honor for his exceptional contributions to science.

Congratulations to the Top 10 Odd Semester Appraisal Achievers!

Kudos to the following faculty members for their outstanding performance:

Congratulations to
TOP 10
Overall Appraisal Achievers
for the Odd Semester:

 Dr. Shamshuddin MD Associate Professor School of CS & AI	 Dr. J. Ajayan Professor School of Engineering	 Dr. Sandip Bhattacharya Professor School of Engineering	 Dr. Ch. Rajendra Prasad Professor School of Engineering	 Dr. D. Ramesh Babu Professor (Practico) School of Business
 Mr. G. Sunil Reddy Assistant Professor School of CS & AI	 Dr. K. Poongodi Professor School of Engineering	 Dr. L.M.I. Leo Joseph Associate Professor School of Engineering	 Dr. E. Purushotham Associate Professor School of Sciences and Humanities	 Dr. Pankaj Kumar Professor School of Engineering

Dr. Shamshuddin MD, Dr. J. Ajayan, Dr. Sandip Bhattacharya, Dr. Ch. Rajendra Prasad, Dr. D. Ramesh Babu, Mr. G. Sunil Reddy, Dr. K. Poongodi, Dr. L.M.I. Leo Joseph, Dr. E. Purushotham, and Dr. Pankaj Kumar.

Congratulations



Dr. Srinivas Samala
Assistant Professor, ECE



Dr. B. Girirajan
Assistant Professor, ECE

for defending his
Ph.D. 

Viva voce successfully

Industry Visits:

Industry Visit & Masterclass Workshop for ECE Students

On September 11th, 2024, over 100 ECE students participated in an industry visit and masterclass workshop at T-Works, Hyderabad. This initiative marks a new collaboration between T-Works and SR University, fostering innovation and industry exposure.

A special thanks to **Ms. Krishna Teja Garapati** (T-Hub) for supporting the event. The visit was led by **Dr. B. Girirajan**, with faculty members **Dr. Akshay**, **Ms. R. Suganya**, and **Ms. Lavanya** accompanying the students.



Research Visit to RISE & Micron Fab 15th, Hiroshim

As part of the **Sakura Science Program**, we had an enriching visit to RISE at Hiroshima University and Micron Fab 15th, gaining valuable insights into advanced semiconductor technologies.

Guided by **Dr. Sandip Bhattacharya**, **Prof. Masataka Miyake**, and **Subhajit Das Sir**, we explored cutting-edge research at RISE. At Micron Fab 15th, **Seiji Tanaka (Director)** and **Ravi Yadav** provided invaluable insights into semiconductor manufacturing.



Alumni Meet



Alumni Meet & Talks: Connecting the Past with the Future:

The Department of Electronics and Communication Engineering (ECE) at SR University successfully organized an engaging Alumni Meet & Talk, strengthening the bond between past and present students

Expert Talk



Invites you to be part of
ALUMNI TALK
Equipping Students with Relevant Skills
for Interviews and Seamless Entry
into the Corporate World

Coordinators:
Dr. Rebelli Shashank,
Asst. Prof., Dept. of ECE
Dr. K. Raj Kumar,
Assoc Prof., Dept. of ECE

Mr. Nipun Kunaboina
HR Business Partner Lead
People Advisor Specialist
Accenture, Hyderabad.

Date
13-11-2024

Time
01:00 PM

Location
Faraday Hall

Mr. Nipun Kunaboina, HR Business Partner Lead at Accenture, Hyderabad, who shared valuable insights on "Equipping Students with Relevant Skills for Interviews and Seamless Entry into the Corporate World." Coordinated by Dr. Rebelli Shashank and Dr. K. Raj Kumar, the event provided students with expert guidance on career preparedness, industry expectations, and interview strategies.

This meet was a significant opportunity for students to learn from the experiences of SRU alumni, gaining firsthand knowledge about career progression, corporate culture, and professional success. The interactive Q&A session allowed students to address their queries directly with industry professionals, making it a truly enriching experience.

Completion of PHD from ECE department:



Dr. Ome Nerella

Assistant Professor in CSE(IoT)@Malla Reddy University-Hyderabad-Telangana-India. Former-Senior Research Fellow under NFOBC(National Fellowship for Other backward class)Scheme @SR University- Warangal



Dr. Mounika B

Assistant Professor, ECE, SR University Warangal Rural, Telangana, India



Dr. Srinath Akuthota

B. Tech, M.E, Ph. D, SR University & senior lecturer in ECE at govt polytechnic warangal, reviewer, M.E osmania university, university college of engineering, Hyderabad, MISTE, MISCA, GATE, UGC NET Qualified,



National and International MoUs:

SRU Signs MoU with UEM

SR University has signed an MoU with the **University of Engineering & Management (UEM)** to foster academic collaboration, research, and student exchange programs. This partnership will enhance innovation and skill development for students and faculty.

SR University has signed a MoU with the **University of Engineering & Management**



SRU Signs MoU with Polenza Tech Solutions

SR University, Warangal, has signed an MoU with **Polenza Tech Solutions (OPC) Pvt. Ltd., Chennai**, to strengthen industry-academia collaboration. This partnership aims to enhance research, innovation, and skill development opportunities for students and faculty.



MOU signing Ceremony Between

SR University, Warangal
and
Polenza Tech Solutions (OPC) Pvt. Ltd.
Chennai

Initiated by
Dr. Arun Sekar R, ASP/ECE
Dr. Ramkumar N, AP/ECE

SRU Signs MoU with Brainware University, Kolkata

SR University has signed an MoU with the **Brainware University Kolkata**



SR University has signed a Memorandum of Understanding (MoU) with **Brainware University, Kolkata**, to foster academic collaboration, research, and innovation. This partnership will enhance knowledge exchange and open new learning opportunities for students and faculty.



MoU with Vaagdevi Engineering College and Vaagdevi college of Engineering,

SR University has signed a Memorandum of Understanding (MoU) with **Vaagdevi Engineering College** and also with Vaagdevi College of Engineering. This collaboration aims to drive mutual growth and innovation in academics



Department activities:

Bridging Innovation and Knowledge - Expert talks

SR University has signed an **MoU** with **Brainware University, Kolkata** to enable student and faculty exchanges, joint research, and skill development. The **ECE Department** hosted a webinar on **IoT Device Integration** with Enterprise on November 29th, 2024, featuring **Mr. Shekar Yedunuri** from MASTECH InfoTrek, who shared insights on MuleSoft applications for IoT integration, coordinated by **Dr. Srinivas Samala**. On the same day, **Dr. Abir Chattopadhyay** and **Dr. Subhajit Das** from UEM Kolkata delivered Expert Talks on sensor innovations and graphene-based VLSI interconnects, coordinated by **Dr. Sandip Bhattacharya**. Earlier, on September 30th, 2024, Dr. Abir J Mondal, HoD, ECE, NIT Arunachal Pradesh, conducted an online Guest Lecture on temperature sensors for SoC self-heating, providing valuable insights into thermal management in modern semiconductors. SR University remains committed to advancing knowledge through strategic collaborations, expert talks, and industry-focused learning



Expert Talk :
Exploring Recent Trends in Sensor Applications: Innovations, Challenges, and Future Prospects

Speaker : Dr. ABIR CHATTOPADHYAY
Professor,
University of Engineering & Management, Kolkata (UEM)



Expert Talk :
The Future of VLSI Interconnects in the Post-Moore Era: Unlocking the Potential of Graphene

Speaker : Dr. SUBHAJIT DAS
Professor,
University of Engineering & Management, Kolkata (UEM)

29 November 2024
01:00 PM – 05:00 PM
Venue : SRIX block, Seminar Hall

Organized by :
Dr. SANDIP BHATTACHARYA
Department of ECE

Five Days Faculty Development Program
on
Advancing Future Connectivity with AIoT Infrastructure for Engineering Innovation
Department of ECE
9th December – 13th December 2024






Coordinators:
 Dr. Ramkumar N.
 Dr. Mukesh Kumar Sharma
 Mrs N. Shilpa

Have a word with our academic counsellor
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 www.sru.edu.in

SRU SR UNIVERSITY

Webinar on IoT Device Integration with Enterprise
Applications & Software Systems Using MuleSoft

November 29th 2024 **7.00PM to 8.00PM**

Organized by:
Dr. Srinivas Samala
Asst. Professor,
ECE Department, SoE, SR University




Mr. Shekar yedunuri
 Enterprise Integration Specialist
 MASTECH InfoTrek

SRU SR UNIVERSITY

Guest Lecture on
Temperature sensor for monitoring SoC self heating

Resource Person
Dr. Abir J Mondal
HoD, Dept. of ECE,
NIT, Arunachal Pradesh.



Date: 30-09-2024,
 Time: 3.00 PM to 4.00 PM
 Venue: Online
 Coordinator: Dr. Sandip Bhattacharya

Workshops:

Our Department organized an expert talk on Building Semiconductors Innovation Ecosystems in Educational Institutions with Mr. Preet Yadav, from NXP Semiconductors and Chair of IEEE Circuits and Systems Society (CASS) Delhi Chapter. Our Department organized an expert talk on Building Semiconductors Innovation Ecosystems in Educational Institutions with Mr. Preet Yadav, from NXP Semiconductors and Chair of IEEE Circuits and Systems Society (CASS) Delhi Chapter.



Awareness session club activities

AWARENESS SESSION ON DEPT. CLUB ACTIVITIES

Resource Person:

- Dr. Shaik Vaseem Akram (Overall Dept club coordinator)
- Dr. B. Girirajan (Dept club coordinator)
- Dr. Shaik. Thaherbasha (Dept club coordinator)
- Dr. Sumit Gupta (Dept club coordinator, Director of Center of IoT and Embedded System)

Date: 6th September 2024
Time: 2.00 PM to 5.00 PM

Venue:
ECE Seminar Hall, Block-2

Coordinator:
Dr. R Arun Sekar
+91 99946 50100

Dept. Club Activities was successfully conducted on 6th September 2024 at the ECE Seminar Hall. The session was filled with insightful discussions and valuable information for all students.

The inauguration of SRU E-CELL marked a key milestone in fostering innovation and entrepreneurship. The Startup Sponsorship Meeting featured Sai Teja Manchikatla (CEO, Secernate Games) and Prashanth Chidurala (Manager, SRiX).



International Student Exchange Program:

Exploring Global Opportunities SR University organized a session on International Student Exchange Programs to guide students in exploring global learning opportunities. The session, coordinated by **Dr. Sandip Bhattacharya**, featured student coordinators **Ms. Aditi Thakur**, **Mr. Mohammad Badhesha**, and **Mr. Shivaprasad Shilagani** who shared their experiences and insights.



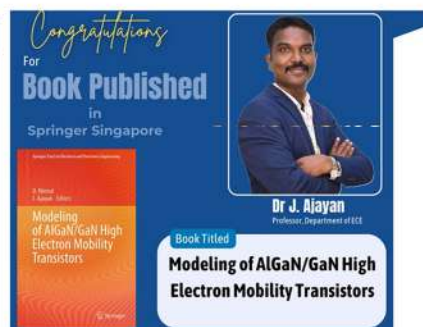
SR University's Open House in Khammam & Karimnagar:

Open House event for prospective students and their families, showcasing SR University's commitment to providing world-class education and global opportunities.



Research publications and patents :

The ECE Department has made remarkable strides in research and development, with multiple patents and publications contributing to cutting-edge advancements. Recent publications cover topics in nanotechnology, semiconductor innovation, and intelligent **IoT-driven** systems, reflecting SRU's dedication to impactful research. Additionally, four patents, including those in wireless monitoring systems, real-time analytics, and health monitoring devices, showcase our commitment to developing next-generation technologies



Patents:



Ph.D ECE Guide and Scholars Publication data

Supervisor Name	Department	Scopus Journal Name	Issue/Page No./Year	Scholar Name	Source
Dr. LMI Leo Joseph & Dr. K. Sreedhar	ECE	ESCI (Results in Engineering-Elsevier)	Volume 24/103047	R Suganya	Understanding lithium-ion battery management systems in electric vehicles: Environmental and health impacts, comparative study, and future trends: A review
Dr. LMI Leo Joseph & Dr. K. Sreedhar	ECE	IEEE Conference	IEEE/18-21	R Suganya	Optimizing Energy Storage Systems: Interplay of Current, Voltage, and Temperature Parameters in Batteries
Dr. J. Ajayan & Dr. Sandip Bhattacharya	ECE	IEEE Access	Volume 12/131906/2024	B Mounika	A Novel LG = 40 nm AlN-GDC-HEMT on SiC Wafer With ft/IDS, peak of 400 GHz/3.18 mA/mm for Future RF Power Amplifiers
Dr. J. Ajayan & Dr. Sandip Bhattacharya	ECE	Journal of Science: Advanced Materials and Devices	100795/2024	B Mounika	LG = 50 nm T-gated and Fe-doped double quantum well GaN/HEMT on SiC wafer with graded AlGaIn barrier for future power electronics applications
Dr. J. Ajayan & Dr. Sandip Bhattacharya	ECE	(SCIE) Microsystem Technologies-Springer	Volume 30 /Issue 12	Lavanya Repaka	A review of microelectronic AlGaIn/GaN HEMT biosensors for the detection of various cancer diseases and bacterial/viral pathogens
Dr. J Ravichander & Dr. Rakesh Sengupta	ECE	IEEE Conference	2024	Niharika Gudikandula	Recent Advancements in Online Ocular Artifacts Removal in EEG-based BCI: A Review, Automated Electroencephalogram-Based Emotion Detection: A Review

Scopus Publication Count of ECE Department From June to November 2024

S.No	Document Title	Authors	Year	Source
1	Recent advances in nano biosensors: An overview	Sreejith S., Ajayan J., Radhika J.M., Uma Reddy N.V., Manikandan M.	2024	Measurement: Journal of the International Measurement Confederation
2	Detection of glaucoma in retinal image using support vector machine	Shilpa N., Malathy V., Kamali S.M., Anand M., Vimala S., Shiva G., Srikanth Y.	2024	AIP Conference Proceedings
3	Night vision security patrolling robot	Srikanth Y., Rajendra Prasad Ch., Srinvas S., Kollem S., Thota R.	2024	AIP Conference Proceedings
4	Farmer friendly robotic vehicle	Rajendra Prasad Ch., Yalabaka S., Kollem S., Samala S., Ramchandrarao P.	2024	AIP Conference Proceedings
5	Design and development of smart shopping trolley with automated central billing system	Arabelli R., Rajababu D., Anuradha P., Yedulapuram S.	2024	AIP Conference Proceedings
6	A security alert system for women with location tracking and calling features	Shilpa N., Malathy V., Shiva G., Anand M., Kamali S.M., Vimala S.	2024	AIP Conference Proceedings
7	Arduino based GPS tracking alert system for women's protection	Chakradhar A., Dharmireddy A., Sudhkar H., Lavanyai K., Vamsi Krishna M., Madhava Rao C.H., Hareesh P.	2024	AIP Conference Proceedings
8	A study on energy efficiency of a wireless communication system	Samala S., Rajendra Prasad Ch., Kollem S., Yalabaka S., Ramchandrarao P.	2024	AIP Conference Proceedings
9	Implementation of traffic light controller using Raspberry PI PICO	Anuradha P., Arabelli R., Sai Teja K., Ravichander J., Ragava Kumari D.	2024	AIP Conference Proceedings
10	Dermatological disease detection and preventative measures using deep convolution neural networks	Dharmireddy A., Chakradhar A., Vaseem Akram Sk., Sai Deepak R., Akash S., Rajasekhar T., Anatha T.	2024	AIP Conference Proceedings
11	Real-Time Surface Identification System for Variable Walking Speeds of Biped Robots	Luo A., Bhattacharya S., Miura-Mattausch M., Zhou Y., Mattausch H.J.	2024	IEEE Embedded Systems Letters
12	Exploration on the impact of barrier thickness, gate recess, and lateral scaling on AlGaIn/GaN SRL HEMT on silicon for future RF power electronics	Akshaykranth A., Ajayan J., Bhattacharya S., Mounika B.	2024	Journal of Materials Science: Materials in Electronics

S.No	Document Title	Authors	Year	Source
13	Integration of advanced digital technologies in the hospitality industry: A technological approach towards sustainability	Singh R., Gehlot A., Akram S.V., Thakur A.K., Gupta L.R., Priyadarshi N., Twala B.	2024	Sustainable Engineering and Innovation
14	Behavioral Analysis of Regenerative and Dynamic Comparators in Terms of Speed and Thermal Reliability in Low-Power Applications	Karthikeya K., Teja N.T., Satwika N., Rameshbhai P.R., Ajayan J.	2024	2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024
15	ChatGPT in Cyber Onslaught and Fortification: Past, Present, and Future	Gunda M., Manda V., Naradasu P., Mekala S., Bhattacharya S.	2024	2024 IEEE 9th International Conference for Convergence in Technology, I2CT 2024
16	Device Simulation Based Machine Learning Technique for III V TFET	Saravanan M., Parthasarathy E., Ajayan J., Rahi S.B.	2024	2024 International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence, RAEEUCCI 2024
17	3D-Printed Human Organ Designs with Tissue Physical Characteristics and Embedded Sensors	Chandrashekhar A., Raffik R., Sridevi R., Sindhu M., Rajkumar K., Jaiswal T.	2024	Human Cancer Diagnosis and Detection Using Exascale Computing
18	Chest X-Ray Analysis for COVID-19 Diagnosis Using an Exascale Computation and Machine Learning Framework	Dhinakaran M., Deivasigamani S., Kar S., Kankalla N., Malathy V., Sharma S.	2024	Human Cancer Diagnosis and Detection Using Exascale Computing
19	Fast Computing Network Infrastructure for Healthcare Systems Based on 6G Future Perspective	Yadav R., Reddy S.L.P., Upmanyu A., Sanapala R.K., Malathy V., Gohatre U.B.	2024	Human Cancer Diagnosis and Detection Using Exascale Computing
20	Multimodal Deep Learning Analysis for Biomedical Data Fusion	Sinha D., Rao B.J., Basha D.K., Kumar P.P., Shilpa N., Sharma S.	2024	Human Cancer Diagnosis and Detection Using Exascale Computing
21	Design and Analysis of dual-k spacer CombFET for Digital and Synaptic Applications	Aruna Kumari N., Karumuri S.R., Ajayan J., Vijayvargiya V., Upadhyay A.K., Uma M., Sai Kumar A.	2024	IEEE Access
22	Comparative Analysis of Decorrelation and Contrast Stretching for Multispectral Color Image Enhancement	Ganesan P., Leo Joseph L.M.I., Sajiv G., Chandrasekaran B., Manigandan E., Janakiraman V.	2024	Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024

S.No	Document Title	Authors	Year	Source
23	A Review of GaN Channel-Based MOSHEMTs for Next-Generation Medium/Low-Voltage Rating and High-Speed RF Power Applications	Deshpande G., Bhattacharya S., Ajayan J., Mounika B., Nirmal D.	2024	Journal of Electronic Materials
24	OR2M: a novel optimized resource rendering methodology for wireless networks based on virtual reality (VR) applications	Kiruthika V., Rajasekaran A.S., Gurumoorthy K.B., Nayyar A.	2024	Wireless Networks
25	A Critical Review on Various Buffer Layers used to Enhance the Photovoltaic Performance of Organic Solar Cells	Sreejith S., Ajayan J., Uma Reddy N.V., Manikandan M., Radhika J.M.	2024	Current Nanoscience
26	Ergodic analysis of IRS-NOMA with inter-cell interference and Imperfect-CSI and SIC over Nakagami-m faded channel	Reddy A.S., Bhattacharya S., Bhattacharjee A., Kanungo S.	2024	Results in Engineering
27	EDL Supercapacitor Electrode Performance Analysis of Group-VIB and Group-X Transition Metal Adsorbed and Doped Graphene: A Density Functional Theory Based Comparative Investigation	Chandrashekhar A., Raffik R., Sridevi R., Sindhu M., Rajkumar K., Jaiswal T.	2024	ACS Applied Electronic Materials
28	Automated diagnosis of disease in grape leaves using deep neural networks	Suganyadevi S., Shamia D., Arun Sekar R., Deepa R.	2024	Agri 4.0 and the Future of Cyber-Physical Agricultural Systems
29	Unsupervised Fuzzy Clustering-Based Vehicle Detection and Segmentation in Infrared Thermography	Ganesan P., Leo Joseph L.M.I., Sivakumar V.G., Thulasi Prasad S., Sathish B.S., Sajiv G.	2024	Lecture Notes in Networks and Systems
30	Comparison of Machine Learning and Quantum Machine Learning for Breast Cancer Detection	Desai U., Kola K.S., Nikhitha S., Nithin G., Prudhvi Raj G., Karthik G.	2024	International Conference on Smart Systems for Applications in Electrical Sciences, ICSSSES 2024
31	Performance Comparison of 2 x1 Multiplexer Based High Performance Static and Dynamic Nanoscale Carry Select Adder for Future DSP Applications	Pateru R., Ajayan J., Alekhya K., Vamshi G., Ruthvik J., Rebelli S.	2024	VLSI SATA 2024 - 4th IEEE International Conference on VLSI Systems, Architecture, Technology and Applications
32	Integrating industry 4.0 technologies for the administration of courts and justice dispensation—a systematic review	Ganesan P., Leo Joseph L.M.I., Sajiv G., Chandrasekaran B., Manigandan E., Janakiraman V.	2024	Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024

S.No	Document Title	Authors	Year	Source
33	Recent developments in Terahertz wave detectors for next generation high speed Terahertz wireless communication Systems: A review	Ajayan J.	2024	Infrared Physics and Technology
34	Key Management-Based Data Aggregation Secured with Privacy and Confidentiality-Preserving Scheme for Fog-Assisted WBANs	Subramani J., Maria A., Rajasekaran A.S., Al-Turjman F., Kolhar M., Altrjman C.	2024	Human-centric Computing and Information Sciences
35	Retraction note: Segmentation of spinal cord from computed tomography images based on level set method with Gaussian kernel (Soft Computing, (2020)	Akuthota S., Rajkumar K., Janapati R.	2024	Soft Computing
36	Intelligent EEG Artifact Removal in Motor ImageryBCI: Synergizing FCIF,FCFBCSP, and Modified DNN with SNR, PSD, and Spectral Coherence Evaluation	Akuthota S., Rajkumar K., Janapati R.	2024	International Conference on Circuit, Systems and Communication, ICCSC 2024
37	Improving Image Clarity with Artificial Intelligence-Powered Super-Resolution Methods	Malathy V., Poornima M., Varun V.L., Venugopal P., Acharjee P.B., Krishnaveni S.	2024	Smart Innovation, Systems and Technologies
38	Revolutionising Tumour Diagnosis: How Clinical Application of Artificial Intelligence and Machine Learning Enhances Accuracy and Efficiency	Malathy V., Pasupulla A.P., Srivastava D., Hymavathi J., Pandian P.M., Acharjee P.B.	2024	Smart Innovation, Systems and Technologies
39	MRI based Brain Tumor classification using a Fine-tuned EfficientNetB3 Transfer Learning model	Prasad Ch.R., Varshamrutha K., Sindhuja B., Ushasree R., Nikhil P., Chakradhar A.	2024	2024 5th International Conference for Emerging Technology, INCET 2024
40	Diabetes Prediction using Support Vector Machine	Sagar K., Imtiyaz Sk., Arvinth A., Shiva Nagaraju A., Rajendra Prasad Ch., Kiran Kumar P.	2024	5th International Conference for Emerging Technology, INCET 2024
41	An Efficient Approach to Skin Color Segmentation Using Perceptually Uniform CIELab Color Model	Sathish B.S., Jerry Alexander T., Padmavathy B., Leo Joseph L.M.I., Ganesan P., Sajiv G., Murugesan R.	2024	Lecture Notes in Networks and Systems
42	LoRa Architecture-Enabled Intelligent for Agriculture with Deep Learning Architecture	Monica K.M., Anitha D., Prabu S., Girirajan B., Arun M.	2024	Journal of Intelligent Systems and Internet of Things

S.No	Document Title	Authors	Year	Source
43	Storage Solution and Security Transmission in Image Sensing Using Blockchain Technology in Internet of Things	Gunturu V., Renu N., Dhaliwal N., Sumalatha I., Anandhi R.J., Dutta G.	2024	Proceedings of International Conference on Communication, Computer Sciences and Engineering, IC3SE 2024
44	Development of Language Model on Biomedical Domain to Pretrain Natural Language Processing	Gunturu V., Priya Y.D., Bachhav G.V., Praveena K., Anandhi R.J., Dhaliwal N.	2024	Proceedings of International Conference on Communication, Computer Sciences and Engineering, IC3SE 2024
45	Deep Learning -Enhanced Image Segmentation for Medical Diagnostics	Malathy V., Maiti N., Kumar N., Lavanya D., Aswath S., Banu S.B.	2024	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
46	Machine Learning-Based Cybersecurity Framework for IoT Devices	Arabelli R., Buradkar M., Lakshmajji K., Dube A.P., Mary Shiba C., Geetha B.T.	2024	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
47	IoT-Enabled Environmental Monitoring System Using AI	Arabelli R., Boddepalli E., Buradkar M., Goriparti N.V.S., Chakravarthi M.K.	2024	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024
48	Retraction Note: Exploring High-Temperature Reliability of 4H-SiC MOSFETs: A Comparative Study of High-K Gate Dielectric Materials (Transactions on Electrical and Electronic Materials, (2024).	Ganeswara Rao M.V., Ramanjaneyulu N., Madugula S., Dharani N.P., Rajesh Babu K., Sagar K.	2024	Transactions on Electrical and Electronic Materials
49	A Pricing and Inventory Optimization Control Using Integer L-Shaped Method	Hussein L., Srikanteswara R., Malathy V., Mohanty A.K., Savithag S.	2024	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
50	Optimization of Renewable Energy Using Hybrid Multi-Objective Slime Mould and Simulated Annealing Algorithms	Malathy V., Kalshetty J.N., Al-Attabi K., Kamesh M.R., Das A.	2024	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
51	A Management of Food Supply Chain in Sustainable Smart Cities using Fire Hawk Optimization	Girirajan B., Naick B.R., Al-Jawahry H.M., Revanasiddappa, Rana Veer Samara Sihman Bharattej R.	2024	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024
52	Misbehavior Detection for Position Falsification Attacks in VANETs Using Ensemble Machine Learning	Dineshkumar R., Siddhanti P., Kodati S., Shnain A.H., Malathy V.	2024	2nd IEEE International Conference on Data Science and Information System, ICDSIS 2024

S.No	Document Title	Authors	Year	Source
53	Various computational methods for highway health monitoring in terms of detection of black ice: a sustainable approach in Indian context	Kumar V., Singh R., Gehlot A., Akram S.V., Thakur A.K., Aseer R., Priyadarshi N., Twala B.	2024	Discover Sustainability
54	An IoT-based predictive model for improved battery management system using advanced LSTM model	Krishna G., Singh R., Gehlot A., Akram S.V.	2024	Journal of Energy Storage
55	IoT-based real-time analysis of battery management system with long range communication and FLoRa	Krishna G., Singh R., Gehlot A., Shaik V.A., Twala B., Priyadarshi N.	2024	Results in Engineering
56	Precise position estimation methods for differential-IRNSS using iterative algorithm	Syed N.P., SK T.	2024	Applied Geomatics
57	Emergency Vehicle Classification Using Combined Temporal and Spectral Audio Features with Machine Learning Algorithms	Jayakumar D., Krishnaiah M., Kollem S., Peddakrishna S., Chandrasekhar N., Thirupathi M.	2024	Electronics (Switzerland)
58	Recent Progress in Silicon Quantum Dots Sensors: A Review	Sreejith S., Ajayan J., Radhika J.M., Uma Reddy N.V., Manikandan M., Mathew J.K.	2024	Silicon
59	A Reinforcement Learning Method in Cooperative Multi-Agent System for Production Control System	Malathy V., Al-Jawahry H.M., Madhura G.K., Suganya G., Rashmi P.	2024	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024
60	Multi-Dimensional Recurrent Neural Networks Hyperspectral Image Classification	Ramkumar K., Al-Jawahry H.M., Shilpa N., Shalini G., Arun M.	2024	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024
61	A Management of Food Supply Chain in Sustainable Smart Cities using Fire Hawk Optimization	Gadiparthi M., Al-Fatlawy R.R., Kulkarni M., Malathy V., Anbunathan R.	2024	2nd IEEE International Conference on Data Science and Network Security, ICDSNS 2024
62	Optimizing EEG Artifact Removal in Motor Imagery BCI: Integrating FCIF, FCFBCSP, and Modified DNN for Enhanced Performance	Akuthota S., Rajkumar K., Janapati R.	2024	Proceedings - 2024 2nd International Conference on Inventive Computing and Informatics, ICICI 2024
63	Predicting Real-Time House Prices: A Machine Learning Approach Using XGBoost Algorithm	Leo Joseph L.M.I., Reddy E.H., Srinidhi M., Saketh P.V., Mohan D., Rajendra Prasad C.	2024	Asia Pacific Conference on Innovation in Technology, APCIT 2024

S.No	Document Title	Authors	Year	Source
64	A Comprehensive Study on Skin Disease Classification using ML Algorithms	Sagar K., Sathwika B., Maniteja M., Reddy I.N., Rajendra Prasad C., Yalabaka S.	2024	Asia Pacific Conference on Innovation in Technology, APCIT 2024
65	TinyML-based Real-Time System for Detecting Falls in Elderly People	Rajendra Prasad C., Naga Satwik G.V., Phaneeshwari E., Moola R., Pranith K., Rakshit Rao D.	2024	Asia Pacific Conference on Innovation in Technology, APCIT 2024
66	A Comparative Analysis: Breast Cancer Prediction using Machine Learning Algorithms	Yalabaka S., Harshini V., Prasad C.R., Keerthi V., Avinash J., Muneeshwar K.	2024	Asia Pacific Conference on Innovation in Technology, APCIT 2024
67	RTOS and task-role-based access control algorithm using Internet of Things for health monitoring and live video streaming of remote patients	Lenin Kumar M., Malathy V., Anand M.	2024	Embedded Devices and Internet of Things: Technologies and Applications
68	Multiple Pattern Synthesis in Four-Dimensional Antenna Arrays Using the Quasi-Newton Memetic Optimization Method	Chakraborty A., Singh I., Bhattacharya S., Sharma K.P., Namdev V., Shukla A.K., Alkhayyat A., Shah S.K.	2024	IETE Journal of Research
69	Accomplishing low-power consumption with TFET	Saravanan M.; Ajayan J.; Parthasarathy E.; Sreejith S.	2024	Handbook of Emerging Materials for Semiconductor Industry
70	Utilization of various graphene-FET sensors and their recent developments	Sreejith S.; Ajayan J.; Uma Reddy N.V.; Radhika J.M.; Arun A.V.; Vijumon V.T.	2024	Handbook of Emerging Materials for Semiconductor Industry
71	TPAAS: Trustworthy privacy-preserving anonymous authentication scheme for online trading environment	Rajasekaran A.S.; Maria A.; Lloret J.; Dannana S.	2024	PLoS ONE
72	An Efficient Group Key Agreement Scheme with Antenna Hardware Implementation in VANETs	Maria A.; Rajasekaran A.S.; Kola K.S.; Vijayakumar P.; Alqahtani F.; Tolba A.	2024	IEEE Internet of Things Journal
73	User-Level Emotion Detection Framework for Social Network Data	Saranya M.; Saxena R.S.; Anandan P.; Dineshkumar S.; Dharani R.; Rajasekaran A.S.	2024	International Conference on Intelligent Algorithms for Computational Intelligence Systems, IACIS 2024
74	An Effective PDE-based Thresholding for MRI Image Denoising and H-FCM-based Segmentation	Kollem S.; Peddakrishna S.; Josephson P.J.; Cheguri S.; Srilakshmi G.; Lakshmana Y.R.	2024	International Journal of Experimental Research and Review

S.No	Document Title	Authors	Year	Source
75	The Design and Implementation of NodeMCU Based Smart Shoe for Woman Safety	Leo Joseph L.M.I.; Manonmani V.; Prasad S.T.; Elamaran V.; Ganesan P.; Sajiv G.	2024	10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024
76	Fault Detection in Smart Grids by Hybrid Generative Adversarial Networks with Neuro Fuzzy Algorithm	Tejaswini N.P.; Riad Al-Fatlawy R.; Malathy V.; Kirthiga N.; Vidya Sagar Mudunuri E.C.	2024	International Conference on Intelligent Algorithms for Computational Intelligence Systems, IACIS 2024
77	Automated Forest Types Classification using Ensemble Machine Learning in Hyperspectral Satellite Images	Shreyas A.V.; Ramana S.V.; Husain S.O.; Malathy V.; Deiwakumari K.	2024	International Conference on Intelligent Algorithms for Computational Intelligence Systems, IACIS 2024
78	Anomaly Event Detection and Classification Using Deep Learning Model and Deep Double Q-learning Network	Vidhya B.; Malathy V.; Pareek P.K.; Alabdeli H.; Prasanna J.L.	2024	2nd IEEE International Conference on Networks, Multimedia and Information Technology, NMITCON 2024
79	A Short-Term Load Forecasting model using Restricted Boltzmann Machines and Bi-directional Gated Recurrent Unit	Alagarsundaram P.; Ramamoorthy S.K.; Mazumder D.; Malathy V.; Soni M.	2024	2nd IEEE International Conference on Networks, Multimedia and Information Technology, NMITCON 2024
80	Optimal Design of Smart Antenna Arrays for Beamforming, Direction Finding, and Null Placement Using the Soft Computing Method	Chakraborty A.; Mishra A.; Singh I.; Ahmad S.; Khan M.J.; Sharma D.; Alkhayyat A.; Gupta S.	2024	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields
81	RDN-NET: A Deep Learning Framework for Asthma Prediction and Classification Using Recurrent Deep Neural Network	Iqbal M.A.; Devarajan K.; Ahmed S.M.	2024	International Journal of Image and Graphics
82	RETRACTED ARTICLE: A 9-bit pseudo-noise-based calibrated successive approximation ADC with differential/integral nonlinearity enhancement (Soft Computing, (2022)).	Adupa C.; Mannepalli C.; Ijjada S.R.	2024	Soft Computing
83	Comprehensive Analysis of Arabic Sentiment Analysis using Lexicon and Machine Learning based Approaches	Maheswari M.; Shnain A.H.; Siddiqua A.; Nagaraj H.C.; Shilpa N.	2024	2nd IEEE International Conference on Networks, Multimedia and Information Technology, NMITCON 2024